

**METHODS FOR USING RESONANCE ENERGY TRANSFER-BASED
ASSAY OF HIV-1 ENVELOPE GLYCOPROTEIN-MEDIATED
MEMBRANE FUSION, AND KITS FOR PRACTICING SAME**

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Abstract of the Disclosure

This invention provides agents determined to be capable of inhibiting the fusion of a macrophage-tropic primary 10 isolate of HIV-1 to a CD4⁺ cell and agents determined to be capable of inhibiting the fusion of a T cell-tropic isolate of HIV-1 to a CD4⁺ cell. This invention also provides methods to identify such agents. This invention further provides methods of inhibiting fusion of a 15 macrophage-tropic primary isolate of HIV-1 with a CD+ cell and methods of inhibiting fusion of a T cell-tropic isolate of HIV-1 with a CD4⁺ cell susceptible to infection by a T cell-tropic isolate of HIV-1.

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